

- FAR DETECTOR:

- No major problems/repairs this week
- Gas monitoring system is operational (O_2 and CO levels)
- 99.5% livetime this week

- NEAR DETECTOR:

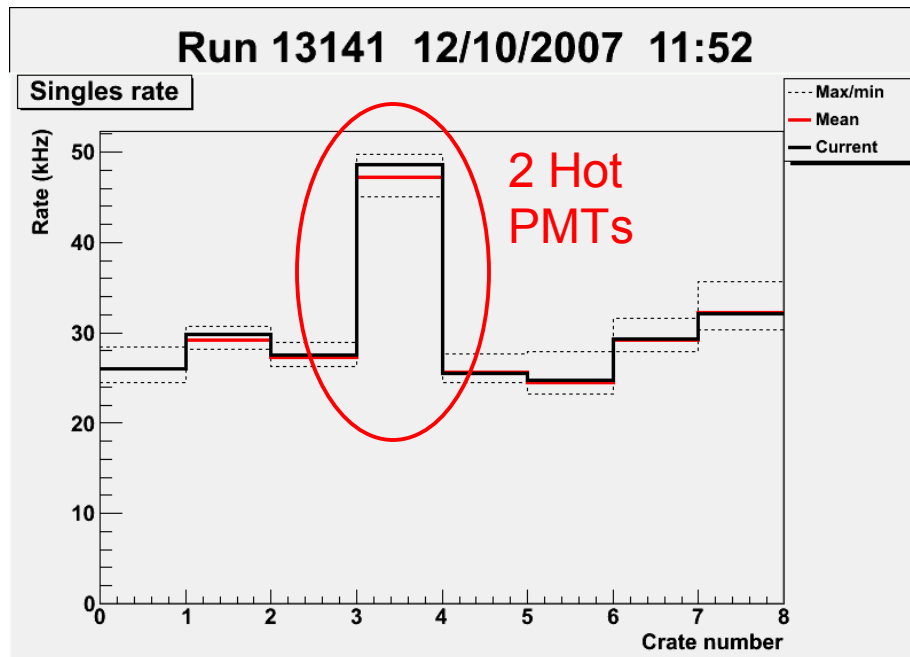
- Took advantage of Linac problems for maintenance
 - Replaced hot PMTs (C. James & G. Pawloski)
 - Replaced faulty trigger board in Spectrometer (G. Pawloski)
 - Replaced UPS batteries for DAQ computers (A. Habig)
- 98.75% livetime this week

- TARGET HALL:

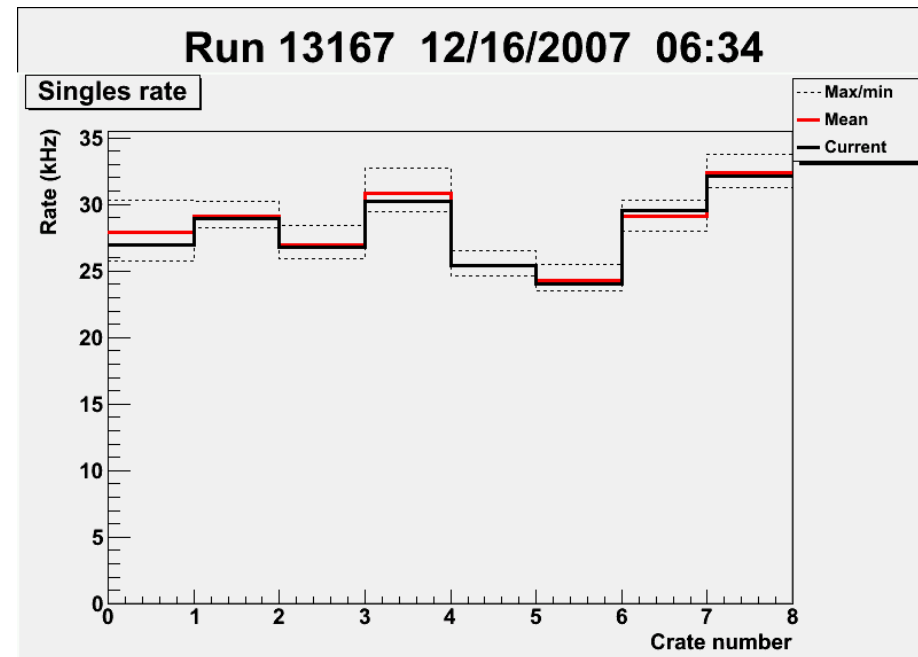
- Took advantage of Linac downtime to turn on dehumidifiers (J. Hylen, M. Andrews, *et al*)

- Replaced 2 Hot PMT Boxes
- Rates of new PMTs consistent with neighbouring tubes

Before

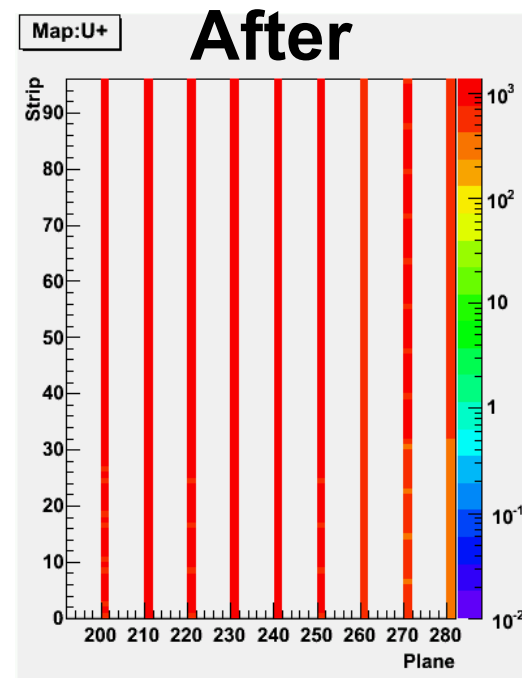
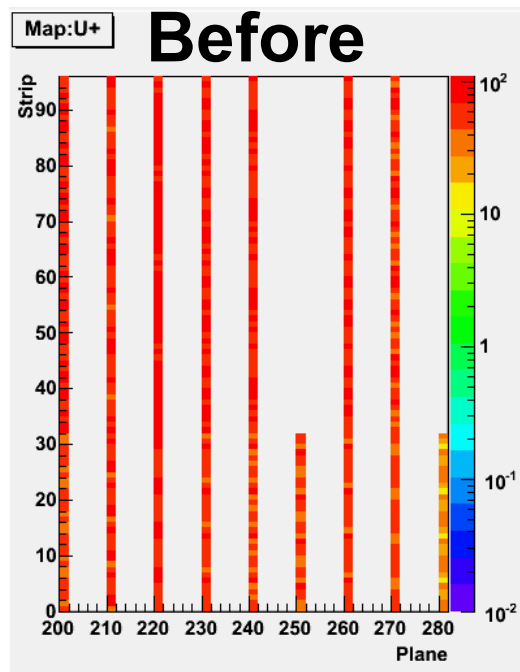


After



24 PMTs per crate

- Replaced faulty trigger board
- Faulty board effectively produced dead planes in partially instrumented spectrometer
 - Only dead during off-spill events
 - Alive during spill

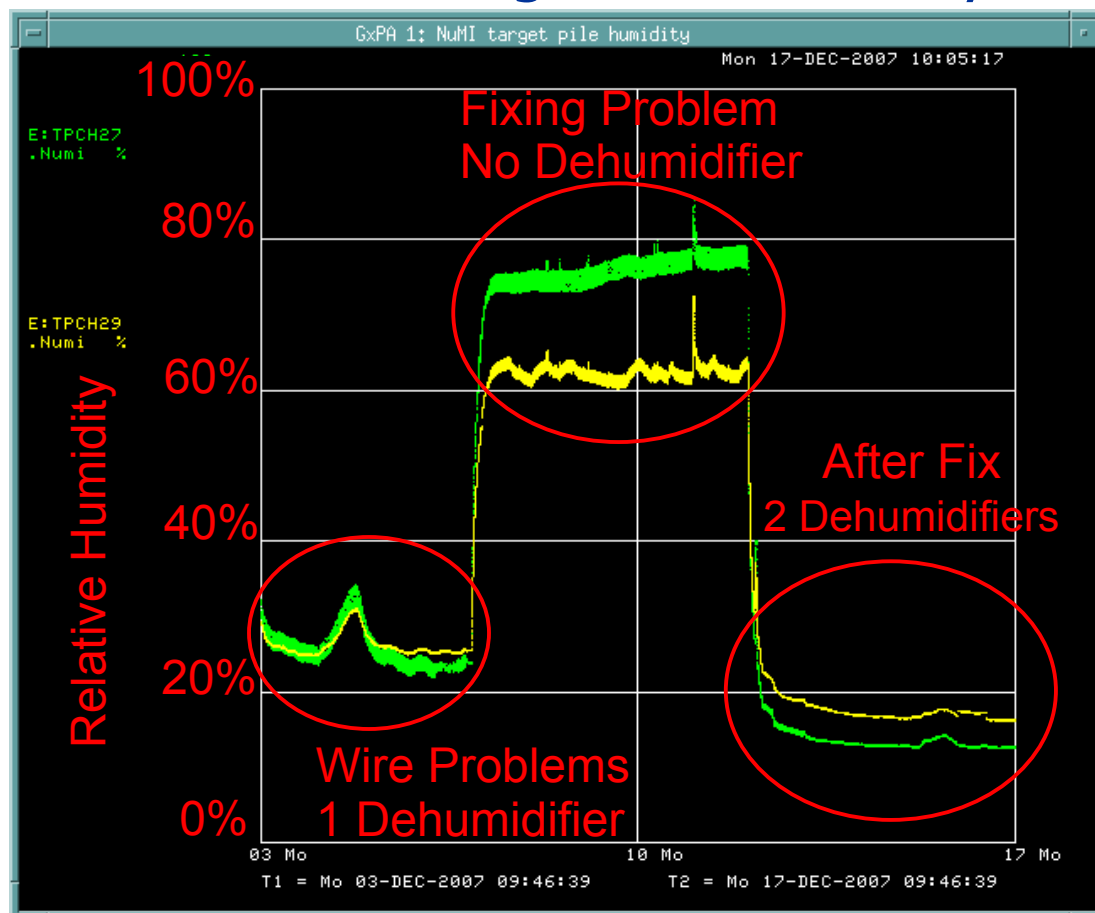




NuMI-MINOS Status Report — G. Pawloski

- Dehumidifiers in Target Hall are functioning
- Reduces production of tritiated water
- Reduces oxidation

NuMI Target Pile Humidity



Humidity in target pile is now <20% RH, in range predicted for new dehumidifier system

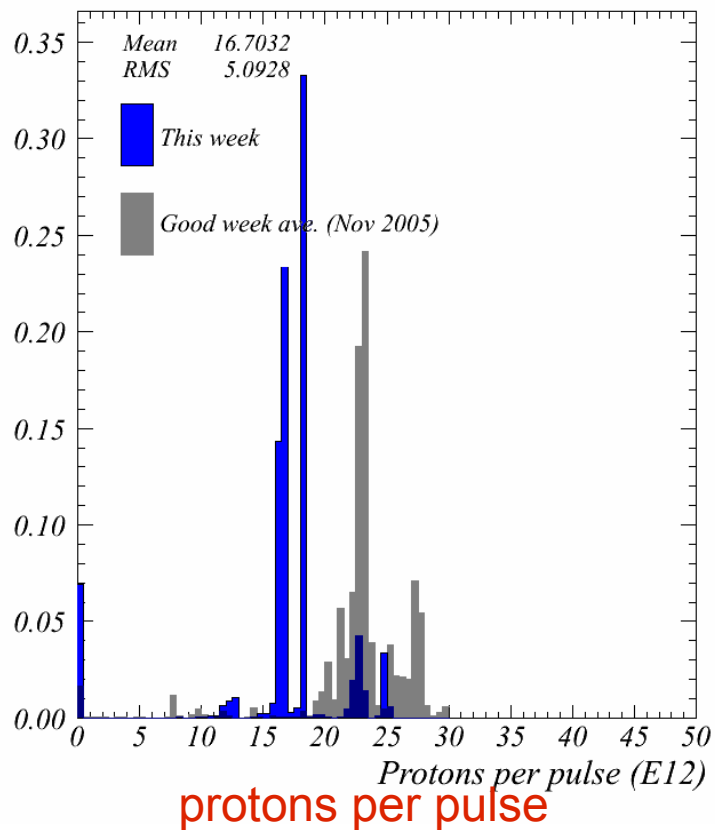
Removing ~ 80 gal/day of condensate

- BEAM SYSTEM STATUS:
- 2+5 mixed mode operation - 2.2 sec. cycle time giving ~ 140 kW
(pre shutdown typically 175 - 180 kW)
- Downtimes during the week
- Resumption of steady beam over the weekend
 - Our thanks to the Accelerator Division for the quick return to steady operations
- 2.8×10^{18} POT for this week

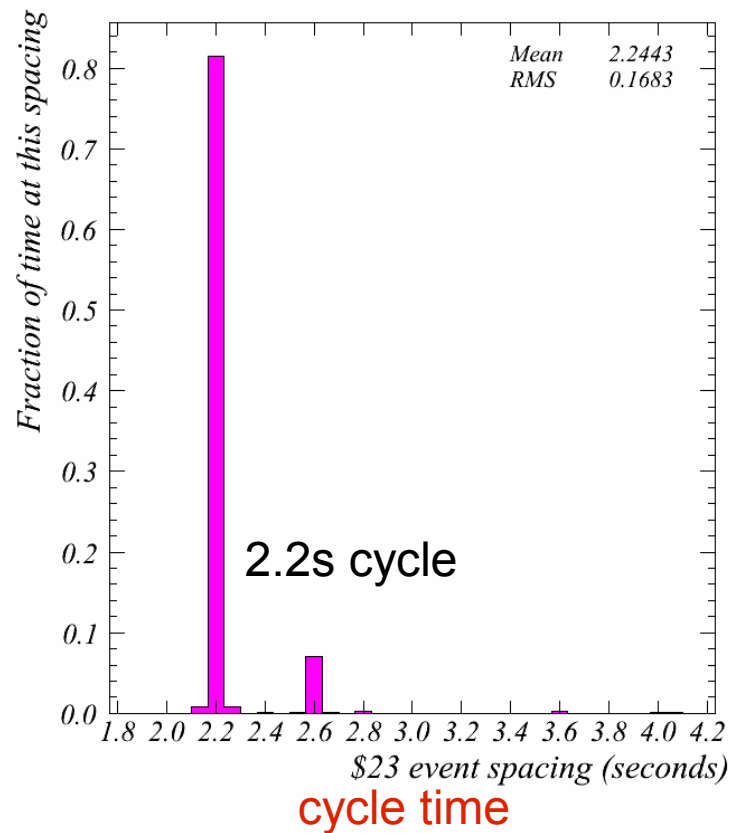
Downtimes:

Linac vacuum problems, intermittently
Munter Dehumidifiers (previous slide)

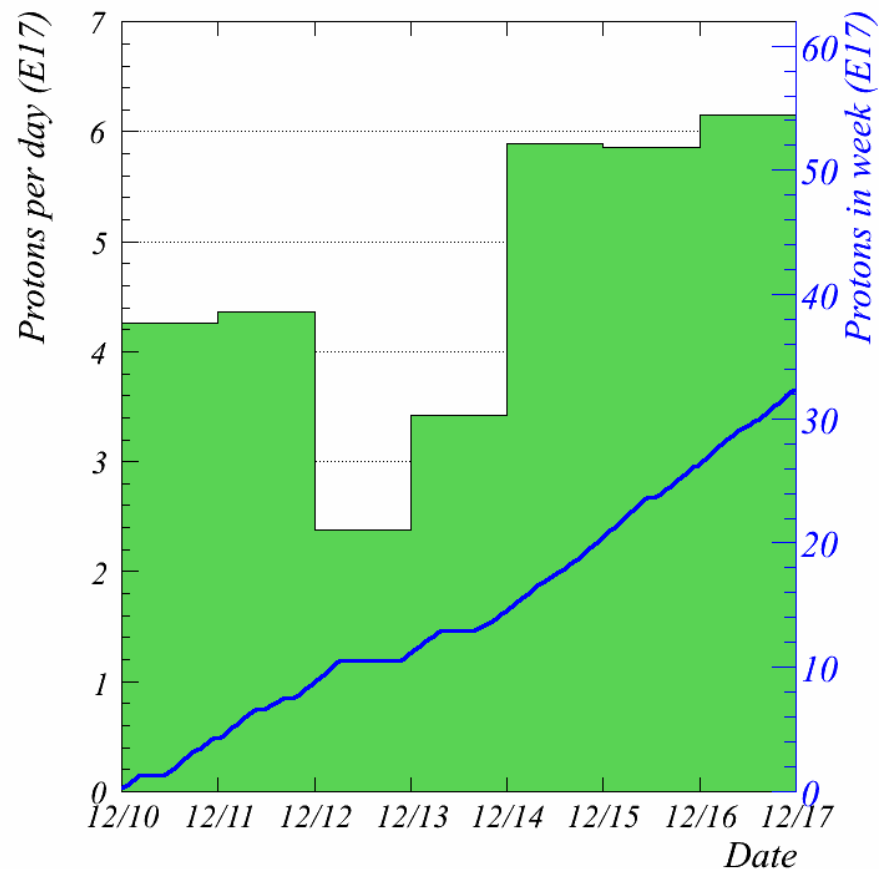
Week ending 00:00 Monday 17 December 2007



Week ending 00:00 Monday 17 December 2007

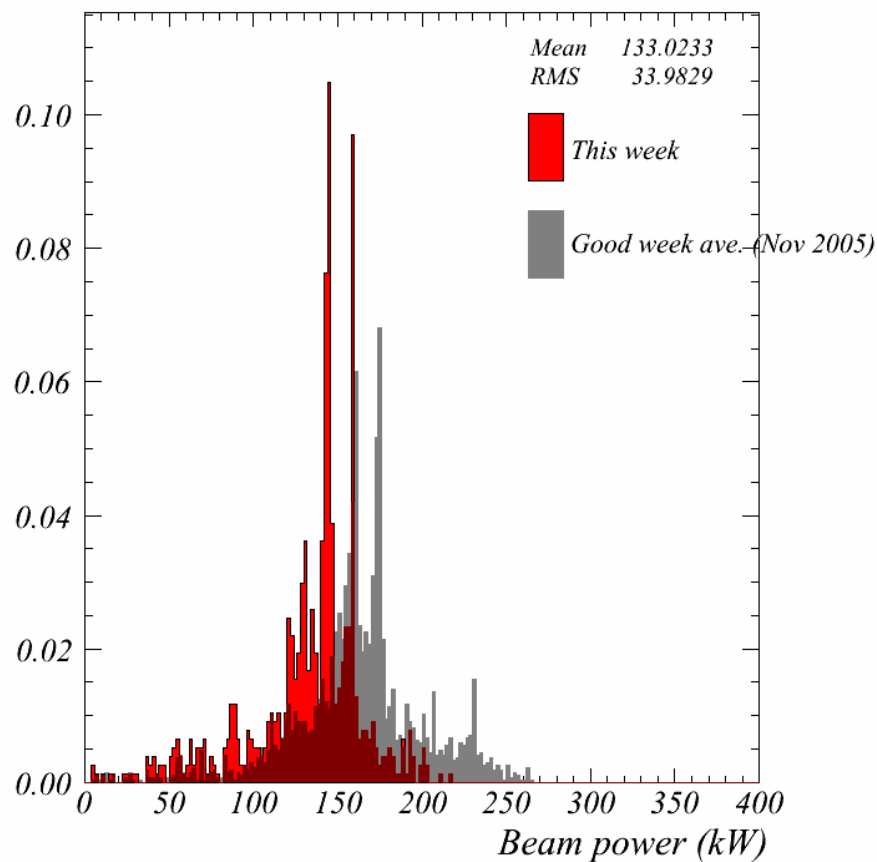


Week to 00:00 Monday 17 December 2007



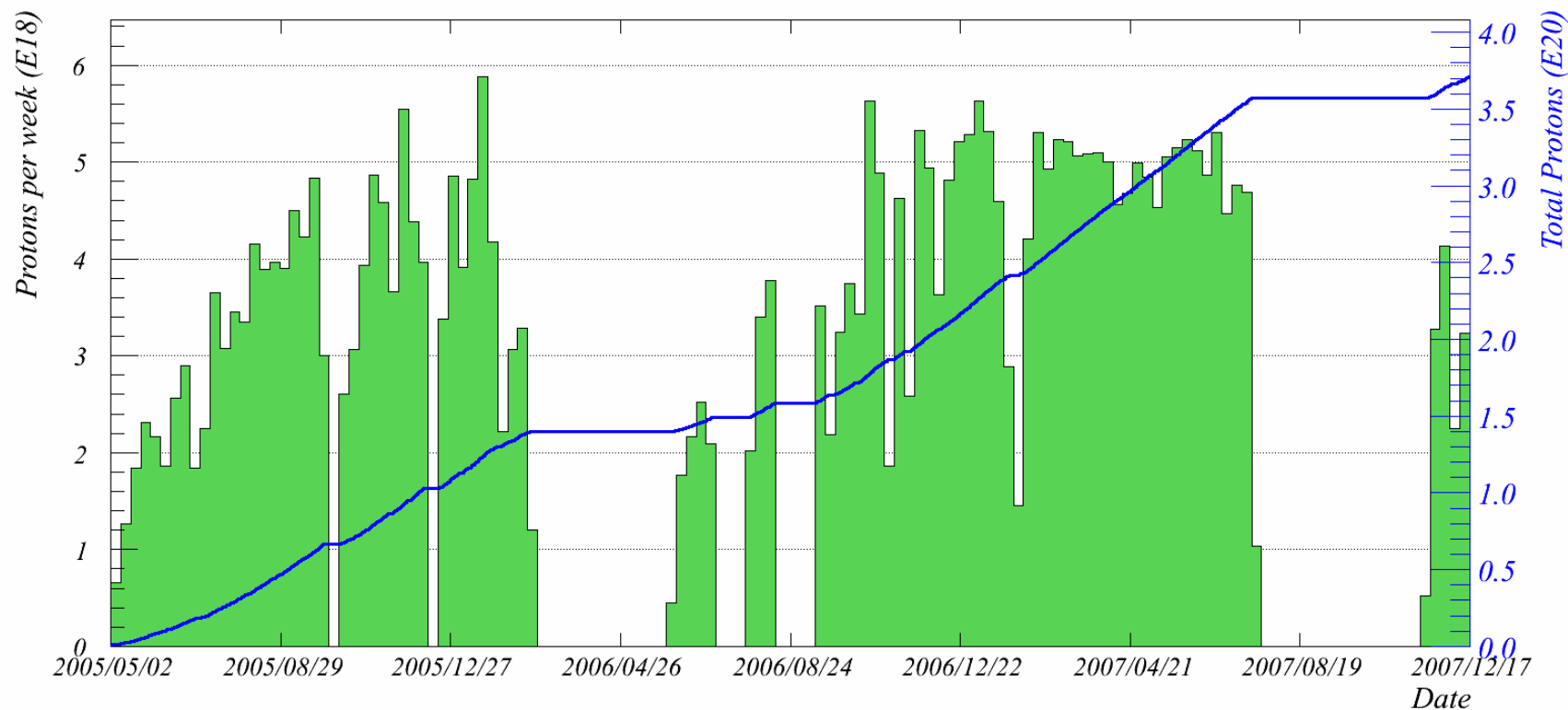
protons per day

Week ending 00:00 Monday 17 December 2007



beam power

Total NuMI protons to 00:00 Monday 17 December 2007



end of 2007
shutdown